

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-14. (Cancelled)

15. (Currently Amended) A honeycomb seal, ~~in particular to seal~~ which seals a radial gap between a rotor and a stator of a gas turbine, wherein the honeycomb seal is manufactured by powder metallurgical injection molding such that a base element and honeycomb elements of the honeycomb seal are an integrally molded structure.

16. (Currently Amended) The honeycomb seal according to Claim 15, wherein the honeycomb seal is composed of several segments and wherein ~~the segments are embodied as a single piece and include a~~ each segment has a base element and honeycomb elements, ~~and further wherein the base element bears the honeycomb elements.~~

17. (Cancelled)

18. (Previously Presented) The honeycomb seal according to Claim 16, wherein the segments are connectable to a supporting structure and wherein the segments and the supporting structure are manufactured of different materials.

19. (Previously Presented) The honeycomb seal according to Claim 18, wherein the base element of the segments include at least one guide section, wherein the segments are connectable to the supporting structure via the guide section, and wherein adjacent segments are interlocked with each other by a projection of a first segment engaging with a corresponding recess of a second segment.

20. (Currently Amended) A honeycomb seal, ~~in particular to seal~~ which seals a radial gap between a rotor and stator of a gas turbine, wherein the honeycomb

seal has a base element and honeycomb elements, and wherein the base element and honeycomb elements are an integrally molded structure ~~that are embodied as a single piece with the base element.~~

21. (Currently Amended) The honeycomb seal according to Claim 20, wherein the honeycomb seal is composed of several segments, wherein each segment has a base element and honeycomb elements ~~that are embodied as a single piece with the base element.~~

22. (Previously Presented) The honeycomb seal according to Claim 21, wherein the base element of each segment includes at least one guide section and wherein each segment is connectable to a supporting structure via the guide section.

23. (Previously Presented) The honeycomb seal according to Claim 21, wherein a first end of the segments includes a projection and a second end of the segments includes a recess and wherein the projection of a first segment is received within the recess of an adjacent segment.

24. (Previously Presented) The honeycomb seal according to Claim 22, wherein the segments of the honeycomb seal and the supporting structure are manufactured of different materials.

25. (Previously Presented) The honeycomb seal according to Claim 20, wherein the honeycomb seal is manufactured by powder metallurgical injection molding.

26. (Previously Presented) The honeycomb seal according to Claim 22, wherein the honeycomb seal and the supporting structure are manufactured as a single piece.

27. (Previously Presented) The honeycomb seal according to Claim 18, wherein the honeycomb seal and the supporting structure are manufactured as a single piece.

28. (Currently Amended) The honeycomb seal according to Claim 15, in combination with a rotor and a stator of a gas turbine wherein a radial gap exists between the rotor and the stator, wherein the radial gap is sealed by the honeycomb seal, and wherein the radial gap lies between a rotating moving blade of the rotor and a housing of the stator or between a non-rotating guide blade of the stator and the rotor.

29. (Currently Amended) The honeycomb seal according to Claim 20, in combination with a rotor and a stator of a gas turbine wherein a radial gap exists between the rotor and the stator, wherein the radial gap is sealed by the honeycomb seal, and wherein the radial gap lies between a rotating moving blade of the rotor and a housing of the stator or between a non-rotating guide blade of the stator and the rotor.

30. (Previously Presented) The honeycomb seal according to Claim 16, wherein the honeycomb elements and the base element are composed of different materials.

31. (Previously Presented) The honeycomb seal according to Claim 20, wherein the honeycomb elements and the base element are composed of different materials.

32-40. (Cancelled)

41. (New) The honeycomb seal according to Claim 15, wherein the base element includes a guide section and wherein the guide section is a u-shaped structure on a lateral end of the base element.

42. (New) The honeycomb seal according to Claim 20, wherein the base element includes a guide section and wherein the guide section is a u-shaped structure on a lateral end of the base element.

43. (New) The honeycomb seal according to Claim 15, wherein the base element includes a guide section that extends below a surface of the base element on a

side of the base element that is opposed to the honeycomb elements and wherein the guide section has a width that is less than a width of the base element at the surface.

44. (New) The honeycomb seal according to Claim 20, wherein the base element includes a guide section that extends below a surface of the base element on a side of the base element that is opposed to the honeycomb elements and wherein the guide section has a width that is less than a width of the base element at the surface.

45. (New) The honeycomb seal according to Claim 15, wherein the base element includes a guide section and wherein the guide section is a wedge-shaped structure on a lateral end of the base element.

46. (New) The honeycomb seal according to Claim 20, wherein the base element includes a guide section and wherein the guide section is a wedge-shaped structure on a lateral end of the base element.